Production of Power by Co-Generation

3780. SHRI DILIP SINGH JUDEV: Will the Minister of POWER be pleased to state:

(a) whether there is any proposal for tapping of vast potential offered by co-generation in industries like sugar, fertilizers and textiles as an additional source for producing power, as is being done in USA;

(b) if so, the details thereof; and

(c) the measures taken or proposed to be taken by Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) to (c) Government of India is aware of the potential of co-generation of electricity in industrial sector. Proposals of co-generation in process industries are accorded techno-economic clearance by CEA as and when they are received by the Government. With a view to further encouraging this practice which, *inter alia*, helps in energy conservation, besides according certain fiscal benefits to the concerned industries, the Ministry of Power has set up a Task Force to assess the additional potential of co-generation and suggest effective ways and means to harness it.

In order to encourage co-generation of surplus power in sugar mills, Ministry of Non-conventional Energy Sources has launched a national porgramme on Bagasse based co-generation under which a set of fiscal and promotional incentives have been offered to sugar mills intending to adopt modern high efficiency co-generation schemes for surplus power generation.

Lignite-Based Power Projects in Gujarat

3781. SHRIMATI CHANDRIKA ABHINANDAN JAIN: Will the Minister of POWER be pleased to state:

(a) whether the Gujarat Government has decided to involve several State Government Undertakings in setting up of the two lignite-based power stations at Akirimota in Kachh district and Magrol in Surat district after its failure to attract the large private companies in setting up these stations for which bids were invited earlier this year;

(b) if so, the details thereof;

(c) by when these two lignite-based power stations are likely to be completed and total expenditure likely to be incurred thereon;

(d) whether it is a fact that due to lukewarm response from the private companies, the State Government dropped a proposal of setting up a third 250 m.w. new lignite-based power station in Bhavnagar district;

(e) whether the State Government propose to set up new coal-based thermal power stations in Sabarmati, Ahmedabad; and

(f) if so, the details thereof alongwith the names of the financial partners of this venture?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) to (f) The information is being collected and will be laid on the Table of the House.

Equipment used by Enron for Dabhol Project

3782. SHRI JIBON ROY:

SHRI DIPANKAR MUKHERJEE:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that M/s Enron is allowed to bring the generator sets for the gas-based Dabhol project in Maharashtra from GE and Bechtel of the US, despite the fact BHEL manufactures and instals the same kind of turbines in India;

(b) whether it is a fact that the cost of Dabhol project can be brought down by around Rs. 4,000 crores if BHEL is allowed to supply equipment, manufactured in India; and

(c) if so, whether the Power Minister have taken necessary safeguard to guarantee that indigenously built equipment are used by Enron?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) to (c) M/s. ENRON have been allowed to bring the 225 MW

generator sets of GE make for the gas based Dabhol Power Project in Maharashtra. BHEL does not manufacture 225 MW (ISO) rating generator sets for gas based projects.

Full Cost Recovery Price for Power to Agricultural Sector

3783. SHRI E. BALANANDAN: Will the Minister of POWER be pleased to state what is expected to be the 'full-cost recovery' price of energy for agriculturists using irrigation pumps, once 16 per cent profit is allowed to a power-generating company over and above the aggregate cost covering all items?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): The average cost of generation and supply of electricity on all-India basis, during 1992-93, is estimated at P. 139.08/ kwh. On the basis of the full-cost recovery price, the sale of electricity to the agricultural sector will be chargeable at the above mentioned rate, subject to normal escalation. The reasonable return of 16% at 68.5% PLF granted to the Generating Companies in respect of projects cleared by the Central Electricity Authority after 31.3.1992 is not likely to affect the average cost of generation and supply by the SEBs materially.

Power shortage in Uttar Pradesh

3784. MAULANA OBAIDULLAH KHAN AZMI : Will the Minister of POWER be pleased to state:

(a) the extent of power shortage in Uttar Pradesh at present and the annual transmission losses; and

(b) whether the Union Government propose to provide any assistance to minimise transmission losses and to modernise transmission system in that State?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) The details of actual power supply position in Uttar Pradesh is as under:—

(All figures in MU net)

Period	Requirement	Availability	%Shortage
April '94—July' '94	12045	10689	11.3

The transmission and distribution losses of power including commercial losses, suffered by Uttar Pradesh during 1992-93 were 24.68 per cent.

(b) Power distribution falls within the purview of the State Electricity Boards/ Electricity Departments of the State Governments and the power utilities are required to arrange financial resources themselves for modernisation of their power systems. However, a number of remedial measures have been suggested to the power utilities for reducing Transmission & Distribution losses and improving the Transmission & Distribution systems.

Fly-ash generated by Thermal Power Plants

3785. SHRI V. HANUMANTHA RAO: Will the Minister of POWER be pleased to state:

(a) whether Government have sought help from USA to solve the problem of fly-ash generated by thermal power plants;

(b) what is the reaction of the US Government thereto;

(c) whether there is a huge quantity of fly-ash available in Andhra Pradesh; and

(d) whether Government will undertake a study to this effect?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P. V. RANGAYYA NAIDU): (a) No, Sir.

(b) Does not arise.

(c) and (d) Yes, Sir. Based on the recommendations of a working Group, constituted by the Government of India, Ministry of Power issued guidelines to various State Governments for increasing the use of fly ash.

Establishment of National Power Grid Corporation

3786. SHRI V. HANUMANTHA RAO: Will the Minister of POWER be pleased to state:

(a) what is the estimated cost of establishment of National Power Grid Corporation;